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L31: Entry 393 of 395

File: USPT

Aug 11, 1998

US-PAT-NO: 5794212

DOCUMENT-IDENTIFIER: US 5794212 A

TITLE: System and method for providing more efficient communications between energy suppliers, energy purchasers and transportation providers as necessary for an efficient and non-discriminatory energy market

DATE-ISSUED: August 11, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Mistr, Jr.; Alfred F.	Chesterfield County	VA		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Dominion Resources, Inc.	Richmond	VA			02

APPL-NO: 08/630783 [\[PALM\]](#)

DATE FILED: April 10, 1996

INT-CL-ISSUED: [06] G06F 15/20, G06F 15/22

INT-CL-CURRENT:

TYPE	IPC	DATE
CIPS	H02 J 13/00	20060101
CIPS	H02 J 3/00	20060101

US-CL-ISSUED: 705/26; [705/37](#), 705/412, 364/401, 364/403, 364/408US-CL-CURRENT: [705/26](#); [702/62](#), [705/37](#), [705/412](#)

FIELD-OF-CLASSIFICATION-SEARCH: 705/5, 705/412, 705/1, [705/37](#), 705/26
See application file for complete search history.

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 3465164	September 1969	Couvreur	307/57
<input type="checkbox"/> 3849637	November 1974	Caruso et al.	364/492

<input type="checkbox"/>	<u>4677552</u>	June 1987	Sibley, Jr.	<u>705/37</u>
<input type="checkbox"/>	<u>4689752</u>	August 1987	Fernandes et al.	364/492
<input type="checkbox"/>	<u>5038284</u>	August 1991	Kramer	<u>705/37</u>
<input type="checkbox"/>	<u>5136501</u>	August 1992	Silverman et al.	<u>705/37</u>
<input type="checkbox"/>	<u>5216623</u>	June 1993	Barrett et al.	364/553
<input type="checkbox"/>	<u>5237507</u>	August 1993	Chasek et al.	705/412
<input type="checkbox"/>	<u>5243515</u>	September 1993	Lee	<u>705/37</u>
<input type="checkbox"/>	<u>5253165</u>	October 1993	Leiseca et al.	705/5
<input type="checkbox"/>	<u>5278772</u>	January 1994	Knupp	364/492
<input type="checkbox"/>	<u>5329464</u>	July 1994	Sumic et al.	364/512
<input type="checkbox"/>	<u>5347466</u>	September 1994	Nichols et al.	364/492
<input type="checkbox"/>	<u>5375055</u>	December 1994	Togher et al.	<u>705/37</u>
<input type="checkbox"/>	<u>5495412</u>	February 1996	Thiessen	705/1
<input type="checkbox"/>	<u>5664115</u>	September 1997	Fraser	<u>705/37</u>

OTHER PUBLICATIONS

Real-Time Information Networks, Comments of Dominion Resources, Inc. and Power Technologies, Inc. at the Federal Energy Regulatory Commission Technical Conference, Jul. 28, 1995.

Remarks by Alfred F. Mistr, Jr. on the Impacted MW-Mile Scenario, Feb. 14, 1995.

A Proposal for Fundamental Reform of Transmission Pricing, by Alfred F. Mistr, Jr., May 5, 1992.

Impacted MW-Mile: A New Approach to Transmission Pricing, by Alfred F. Mistr, Jr., Dec. 2, 1993.

Transmission Pricing Workshop Presentation by Alfred F. Mistr, Jr. on Jun. 19, 1995.

Dominion Resources, Inc. Reply to Federal Energy Regulatory Commission in Docket No. RM95-9-000 on Jul. 28, 1995.

Dominion Resources, Inc. Initial Comments to Federal Energy Regulatory Commission in Docket Nos. RM95-8-000 and RM94-7-001 on Jul. 28, 1995.

Dominion Resources, Inc. Impacted Megawatt-Mile Transmission Tariff Proposal, Mar. 13, 1996.

ART-UNIT: 272

PRIMARY-EXAMINER: MacDonald; Allen R.

ASSISTANT-EXAMINER: Patel; Jagdish

ATTY-AGENT-FIRM: Martinez de Andino; J. Michael McGuire, Woods, Battle & Boothe LLP

ABSTRACT:

A method for providing more efficient communication between energy suppliers, energy purchasers, and transportation providers and having an administrator to assist in the transmission of energy as necessary for providing timely movement of energy. The method includes the steps of connecting an energy supplier, a buyer, a transmission supplier and the administrator through a network, and providing a

program-controlled processor for receiving energy information from the buyer, the energy supplier and the transmission supplier. The processor is adapted to process and store the energy information, and communicate the energy information via the network to all the parties. The method includes the steps of verifying the reliability of the transportation of energy, providing access to the buyer to the energy information stored in a data base connected to the processor to assist the buyer in negotiating for the transportation of energy, and communicating the acceptance by the buyer to the energy supplier and to the transmission supplier. The method can further include the steps of sending invoices for the transmission of energy and paying the energy supplier and the transmission supplier for the transmission.

19 Claims, 5 Drawing figures

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L31: Entry 393 of 395

File: USPT

Aug 11, 1998

DOCUMENT-IDENTIFIER: US 5794212 A

TITLE: System and method for providing more efficient communications between energy suppliers, energy purchasers and transportation providers as necessary for an efficient and non-discriminatory energy market

Brief Summary Text (12):

In order to overcome the above-mentioned defects in the Contract Path Approach and to overcome the inefficiencies in the present energy transportation network, there is a need for an improved system and method for energy trading that provides for (i) proper allocation and payment for facilities actually used; (ii) speed of communication between the energy provider, the energy purchaser and the transmission owners and of timely commitment between the same; (iii) continuous evaluation of reliability of the delivery of energy; (iv) availability of information to the provider, the buyer and the transmission owners simultaneously and without discrimination; (v) uniform posting of offers to sell and offers to buy energy; and (vi) uniform terms and conditions between all buyers, providers and transmission owners. The system and method of the present invention provides these requirements as described in the following summary.

Issued US Cross Reference Classification (1):

705/37

Field of Search Class/SubClass (4):

705/37

US Reference US Original Classification (3):

705/37

US Reference US Original Classification (5):

705/37

US Reference US Original Classification (6):

705/37

US Reference US Original Classification (9):

705/37

US Reference US Original Classification (14):

705/37

US Reference US Original Classification (16):

705/37

US Reference Group (3):

4677552 19870600 Sibley, Jr. 705/37

US Reference Group (5):

5038284 19910800 Kramer 705/37

US Reference Group (6):

5136501 19920800 Silverman et al. 705/37

US Reference Group (9):

5243515 19930900 Lee 705/37

US Reference Group (14):

5375055 19941200 Togher et al. 705/37

US Reference Group (16):

5664115 19970900 Fraser 705/37

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